

# Literature Research

...ed Systems for Electrothermal En-  
... refs (See N64 25020 17 26)  
... hydrogen propellant tank for the  
... and suitable toughness that has a  
... Al 2.5Sn titanium alloy with extra  
... selected as the material for the  
... materials such as stainless steel  
... G O B

... Inc. Cambridge, Mass  
... THE HYDROGEN STORAGE  
... Systems for Electrothermal En-  
... refs (See N64 25020 17 26)  
... st support the inner hydrogen tank  
... structure on the tank and isolate  
... was selected as the lightest  
... in all the imposed loads and  
... get heat leak of 7 w. G O B

... Wires 0.05 mm  
... OF TEMPORING WIRES  
... DIAMETER ON THE INITI  
... on the initiation of PETN by  
... energy source for exploded  
... the wire can be chosen so as  
... of explosion, reliability of effec  
... output when tested in air is not  
... for effecting detonation Author  
... Army Arsenal, Dover, N.J. Feltman Re-  
... OF THERMAL INITIATION THEORY IN  
... RESULTS OF FISSION-FRAGMENT  
... OF EXPLOSIVES AT ELEVATED TEM-  
... 1200 12 p refs  
... J. Frank, and Joseph Cerny (CIT. Law-  
... of the hot-spot model of explosive initi-  
... irradiation events should occur  
... at elevated temperatures of four  
... fragment irradiations of four  
... high reaction rates (ROX, HMX,  
... 2394

... N64-2541  
... RECLAM  
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# Literature Research

**THE PROBLEM:** Companies often spend an inordinate amount of time and money: (1) gathering information from the literature to support a project or (2) duplicating information available in the literature.

**HOW WE CAN HELP:** ADL's versatile team of literature specialists, trained scientists themselves, can provide the exact information you need with maximum efficiency and at minimum cost.

**WHAT YOU GET:** Research, analysis and evaluation, and systems design, quickly performed and reported in written form or as a deck of file cards (regular or punched), or on magnetic tape.

**WHAT IT COSTS:** A project may cost \$500, \$3,000 or \$25,000, depending upon its complexity and scope.

Your contact: **THE LITERATURE RESEARCH GROUP**  
**ARTHUR D. LITTLE, INC.**  
Attn.: Miss Virginia Valeri  
71 Acorn Park  
Cambridge, Massachusetts 02140  
617-864-5770 EXT. 2118



**SERVICES:** The following services are provided regularly to ADL staff members and clients both before and during the course of many projects:

Literature Support for a Technical Project  
Literature Support for a Market or Business Study  
Prior Art Search from Non-patent Sources  
State-of-the-Art Review  
Specialized Abstracting Service  
Critical Abstracts

This information is offered in the form of:

Annotated Bibliography  
Charts or Graphs  
Indexing System  
Storage and Retrieval System  
Library Planning System

**TECHNICAL ASSISTANCE:** Technical analyses and appraisals of literature searches are very often desirable extensions of the information gathering program. The LITERATURE RESEARCH GROUP has the unique privilege of calling upon professional analysts from ADL's staff of chemists, physicists, biologists, mathematicians, engineers, and market specialists.

The LITERATURE RESEARCH GROUP can also combine skills of its own staff with those of the operations research groups at ADL in the design of complex information storage and retrieval systems, including the application of associative memories and digital associative memory simulation to information problems.

**FOREIGN TECHNOLOGY:** Scientific and technical advances in foreign countries are becoming more important to American scientists and businessmen. Our staff, through routine literature surveys, has acquired considerable familiarity with activities underway outside the United States, particularly in:

Africa	Ireland
Bulgaria	Italy
Canada	Japan
China	New Zealand
Czechoslovakia	Poland
France	Rumania
Germany	Sweden
Great Britain	USSR
Greece	Venezuela
Hungary	Yugoslavia
India	

We can arrange for the translation of foreign language publications as part of the service.

**FACILITIES:** ADL libraries now hold over 30,000 volumes and our Slavic Library contains over 2000 technical books and periodicals published in the USSR and Eastern Europe. Collections of many cooperating industrial and institutional libraries in the Boston-Cambridge area are also available for literature work. The IBM-1401 computer is used by our staff for information systems, mechanical indexing, and data processing.

## REPRESENTATIVE LITERATURE SEARCHES

ablation • acetylene • acoustics • adhesives • adsorption • aerosols • aerospace industry • air conditioning • air pollution • air purification • airline maintenance • alcoholism • alloys • ammonium nitrate • analytical chemistry • anemometers • antihypertensive drugs • antiperspirants • antiradiation coverings • antistatic coatings • asphalt • atomic spectra • automation • batteries • belting materials • beryllium • bioengineering • bionics • biosensing • blood antigens • brewing • capacitors • casein • cellulose • ceramics • cesium • chemical industry • chemical processing • chemical warfare • coal • coatings • cold cathodes • color reflection • commodity data • communications • computer mathematics • concrete • conductive plastics • construction materials • consumer research • continuous culture of bacteria • continuous fermentation • corrosion • cotton • cresols • cryogenics • crystallization • degradation of plastics • deodorants • dielectrics • diffraction gratings • diffusion • display systems • drugs • dyes • egg whites • elastomers • electrets • electrical insulation • electrochemistry • electromagnetic radiation • electronic components • electrophotography • electroplating • electrostatic printing • emissivity • encapsulation • enzymes • epitaxy • epoxy resins • essential oils • evaporated film • evaporated milk • explosive forming • explosives • facsimile • fiber optics • filament winding • filters • flavorings • fluidization • foams • food industry literature • food preservation and transportation • foreign industry • foreign science and technology • free radicals • friction • fuel cells • fuel filters • fused salts • glass fibers • glues • graft polymerization • granite • heat sterilization • heavy machinery • heavy water • helicopter canopies • herbicides • high temperature materials • hurricanes • hydraulic filters • hydrofoil structures • hydrogen • hygrometers • hypervelocity • information systems • infrared absorption • infrared detectors • inks and papers • instrumentation • intravenous injections • investment research • iron ore • irradiation of foods • isotopes • lasers • leather • liquid propellants • liquid sloshing • low-temperature insulation • luminescence • lunar surface • magnesium • magnetic tapes • masers • materia medica • medical electronics • metal filaments • metal hydrides • metal poisoning • metallurgy • meteorites • meteorology • metrology • micrometeorites • microwave tubes • missile design • monosodium glutamate • newspaper industry • nuclear explosives • nuclear physics • oceanography • odors • optical plastics • organic reactions • organic semiconductors • oxygen • oyster shells • ozone • packaging • paper industry • paperback books • pattern recognition • peptides • perfumery • permeability of films • petrochemicals • pharmaceuticals • photochromy • photoelasticity • photoflash bombs • photosensitivity • plasma physics • plastic films • plastics • polymerization • powder metallurgy • powder metals • power plants • printed circuits • production of lead • propellants • propulsion systems • psychopharmacology • pyridine • pyrotechnics • quartz • radar systems • radiation chemistry • radiology • rapid weighing • reflectivity • refractive index • reinforced plastics • rheology • rocket propellants • rocks • rubber latex • sausage casings • sea lions (meat) • semiconductors • sensing devices • shaped charges • shock waves • silica • silicon • sodium chloride • solar corpuscular emission • solid propellants • solid state switching devices • solions • space technology • stock market quote boards • storage batteries • subscription TV • surface tension • synthetic fibers • synthetic rubber • telecommunications systems • textile industry • textile quality control • thermal stability • thermoconductivity of waxes • thermoelectrics • thermoluminescent dosimetry • tin • titanium • tobacco industry • toxicology • transition metals • transportation hazards • tungsten • ultrasonics • ultraviolet adsorption spectra • underwater cameras • urban renewal • urethane foams • Van Allen belts • vitamins • waste fission products • water pollution • weather control • weather stripping • wire drawing • wound healing (dressings) • zirconium





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Arthur D. Little, Inc.

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CAMBRIDGE, MASSACHUSETTS 02140  
AREA CODE 617 864-5770

7 July 1966

Mr. T. Nelson  
Box 1546  
Poughkeepsie, N.Y. 12603

Dear Mr. Nelson:

In response to your request we are enclosing a brochure that describes the services of our Literature Research Group.

We are delighted that you read our advertisement in "Industrial Research" and we should appreciate the opportunity to be of service to you in the future. Because our searches are "tailor-made" to a client's needs, we would want to discuss your special requirements with you. If you would like to utilize any of the extensive services offered by the Literature Research Group, please contact me directly by telephone, letter, or a visit.

Sincerely yours,

*Virginia Valeri/lt*

Virginia Valeri  
Literature Research Group  
RESEARCH AND DEVELOPMENT DIVISION

VV/lt  
Enclosure

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